Santee Cooper

One Riverwood Drive
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26 September 2006

Mr. Joe Eller
Bureau of Air Quality
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

RE: Pee Dee Generating Station Construction Permit Application Addendum

Dear Mr. Eller:

Enclosed please find an updated Storage Vessel Permit Application form, Part II G. This form corrects the type of tank to be constructed to a vertical cylinder type fuel tank.

Santee Cooper appreciates your time and effort in reviewing this application. If you have any questions or concerns, please contact Mr. Kevin Clark at either (843) 761-8000 ext. 5193 or kjclark@santeecooper.com.

Sincerely,

Jay Hudson, PE
Manager
Environmental Management

JAH:JJM:KJC

Enclosure

File: A50 43110

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

Storage Vessel Permit Application
Bureau of Air Quality
Part IIG

1. Facility Name: Santee Cooper Pee Dee Generating Station

   Storage Vessel Designation: Fuel Oil Tank #1

2. Physical Data:
   a. Vessel Dimensions:
   Shell Height:24.0 (ft) Diameter: 47.0(ft)
   Shell Length (ft) Max. Volume: 300,000 (gal)

   b. Material of Construction: ☒ Steel ☐ Fiberglass ☐ Other (Specify):

   c. Paint Color: ☐ Aluminum ☒ Gray ☐ Red ☐ White ☐ Other (Specify):

   d. Paint Shade: ☐ Specular ☐ Diffuse ☒ Light ☐ Medium ☐ Primer ☐ Other

   e. Vessel condition: ☒ Good ☐ Fair ☐ Poor

   f. Vessel location: ☒ Aboveground ☐ Underground

   g. Vent Data:
   Valve Type: ☒ Combination ☐ Open ☐ Pressure Vacuum
   No. of Vents: Unknown Pressure Setting: 0.03 Vacuum Setting: -0.03
   Discharge Vented to: Vent Location (UTM, Lat/Long):

   h. Roof Type: ☒ Fixed Roof (Dome/Cone) ☐ External Floating Roof ☐ Internal Floating Roof

3. Operating Data:
   a. Material Stored: ☒ Pure ☐ Mixture

Component Name	CAS RN	MW	Density/Temperature	Weight Percent
No. 2 Fuel Oil	N/A	188	8.2 lb/gal, ambient	NA

   b. Storage Conditions:
   True Vapor Pressure: 0.0095 kPa Maximum True Vapor Pressure: 0.0126 kPa

   Method Used to Determine Vapor Pressure: Tanks 4.0, Option 5:A-12, Option 5: A=12.101

   Temperature: Min Ambient (°F) Max ambient (°F)

   Annual Throughput: 1,8000,000 (gal) Turnovers per year: 6.0

   Vapor Loss Control Device Description: N/A

   c. Emission Rate at maximum annual throughput (lb/hr):

Pollutant	Before Control Device	After Control Device	Method of Estimating Emissions
VOC	0.09	0.09	Tanks 4.0
Other (Specify):			

   d. Normal Operating Schedule: 24 hours/day 7 days/week 52 weeks/yr
   Seasonal Variation: Dec-Feb 25 % Mar.-May 25 % June-Aug. 25 % Sept-Nov. 25 %

   e. How will waste material from vessel cleanouts be disposed of? N/A

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